



# **Item 5: Energy Conservation Manual for the 2025 Energy Code**

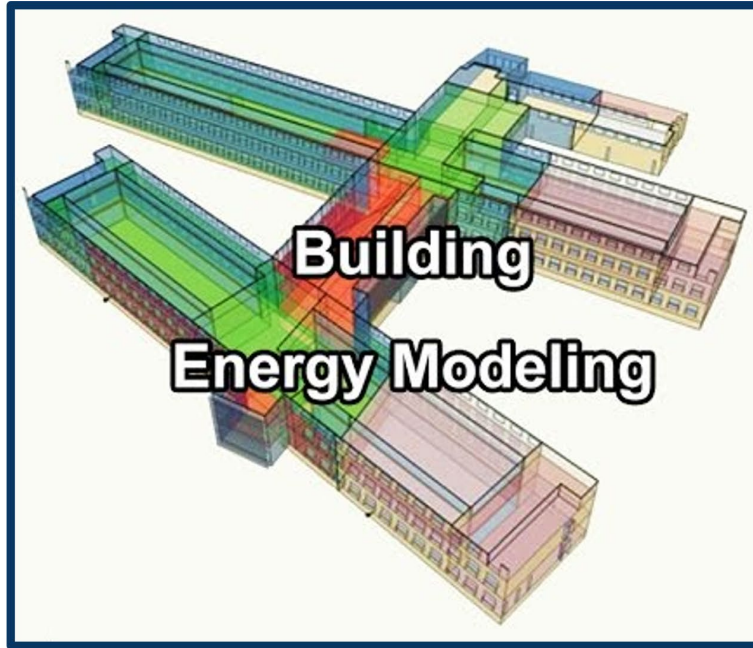
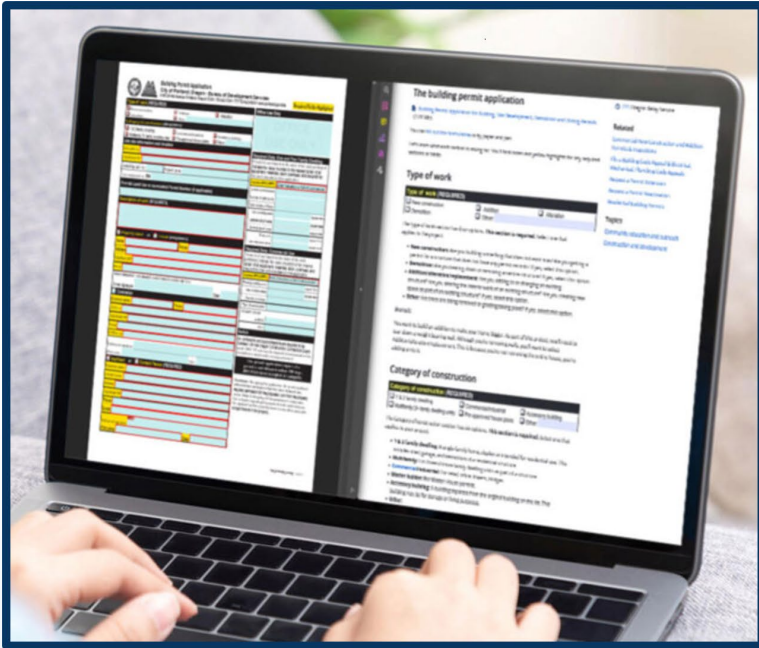
June 11, 2025 Business Meeting

Haile Bucaneg, Senior Mechanical Engineer  
Efficiency Division, Building Standards Branch



# Benefits to Californians

- Helps building industry comply and demonstrate compliance with Energy Code





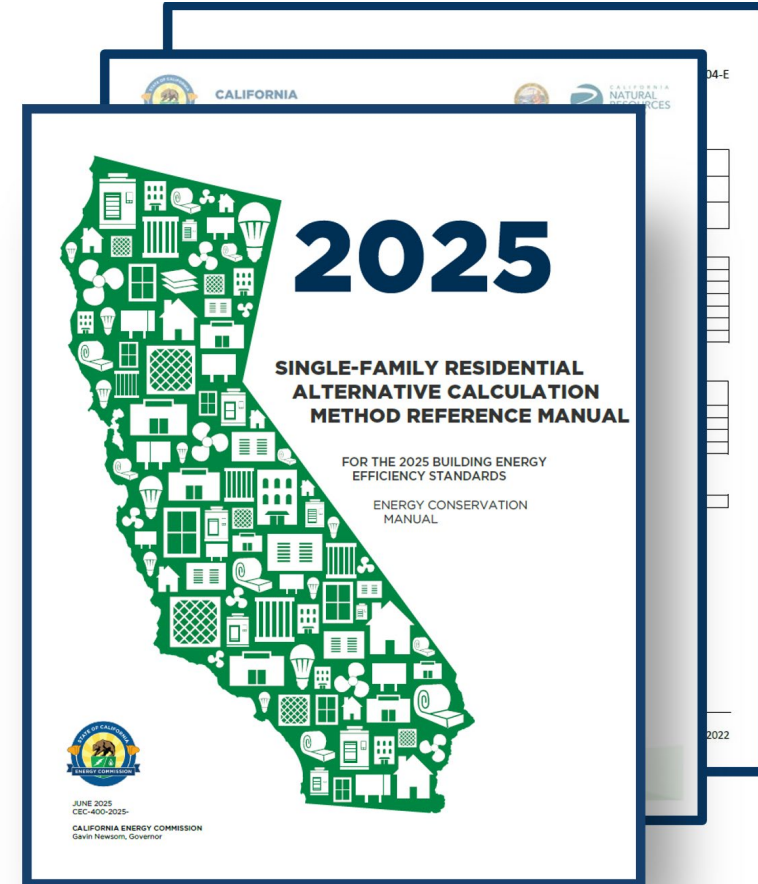
# Overview

## 2025 Energy Code

- Adopted by CEC – September 11, 2024
- Approved by CBSC – December 17, 2024

Certify Energy Conservation Manual (ECM) no later than 180 days after CBSC approval

- Alternative Calculation Method (ACM) Reference Manuals
- Compliance Manuals
- Data Registry Requirements Manual (DRRM)
- Compliance Documents





# Alternative Calculation Method Reference Manuals

Software rules based on  
2025 Energy Code

- Public domain software
- Third-party developed software

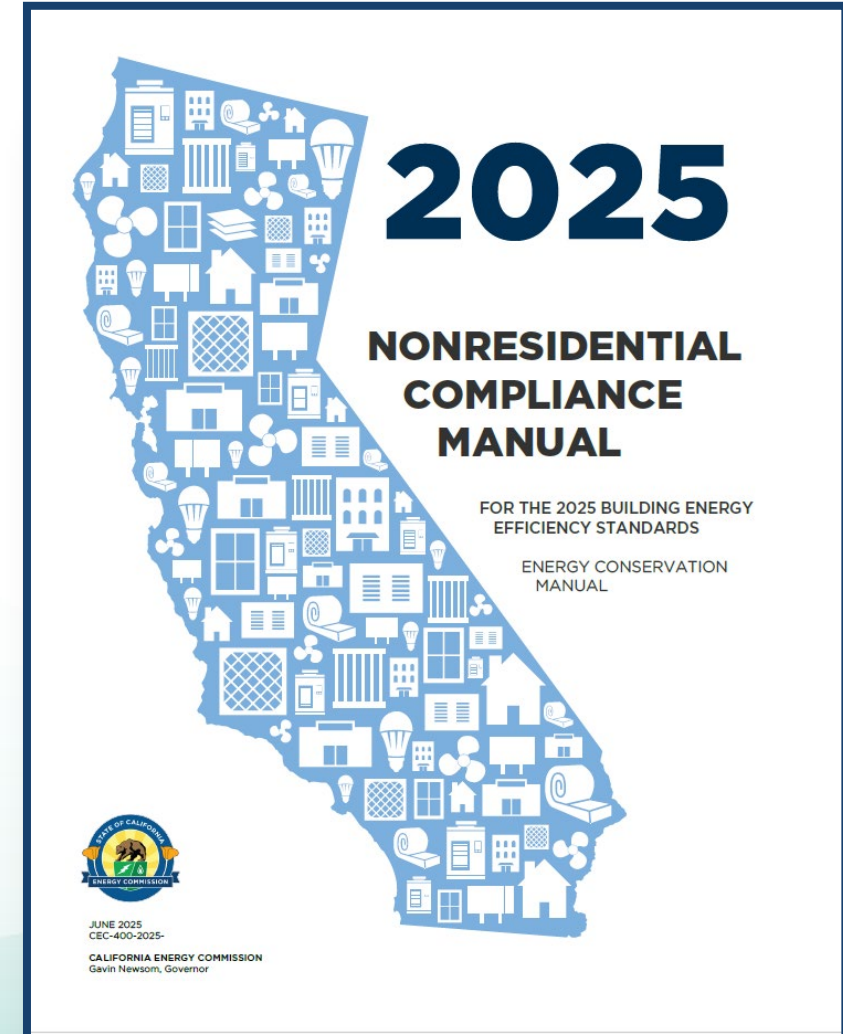




# Compliance Manuals

Supplemental information to help compliance with the 2025 Energy Code

- Plans examiners
- Inspectors
- Owners
- Designers
- Builders
- Energy consultants

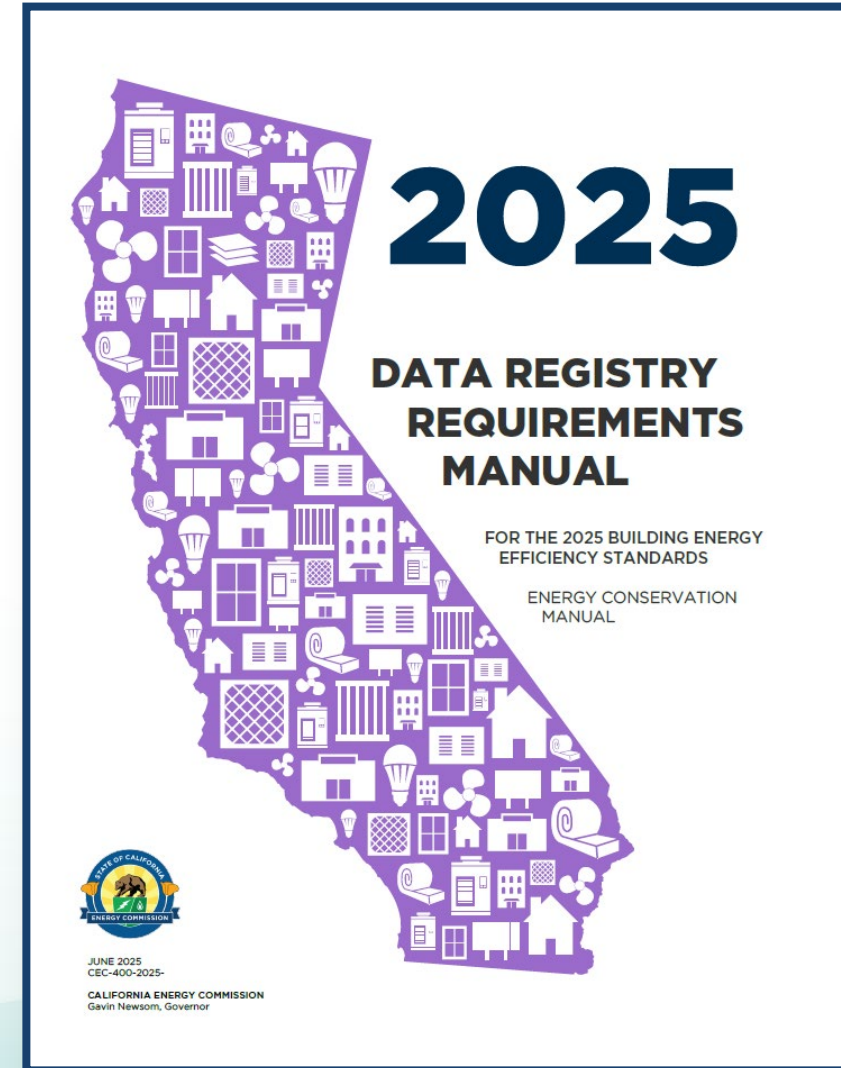






# Data Registry Requirements Manual

Resource for compliance  
document registration providers  
and data registry applicants






# Compliance Documents

- Used by building industry to demonstrate compliance
- Completed by designers, consultants, builders, contractors, technicians, ECC-Raters, etc.
- Submitted to enforcement agencies for verification:
  - Certificate of Compliance
  - Certificate of Installation
  - Certificate of Acceptance
  - Certificate of Verification

**WHOLE HOUSE FAN**  
CEC-CF2R-MCH-02-E

 **CALIFORNIA ENERGY COMMISSION**  
**SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS**

**CERTIFICATE OF INSTALLATION**  
**Note:** This table completed by ECC Registry.

Project Name:	Enforcement Agency:
Dwelling Address:	Permit Number:
City and Zip Code:	Permit Application Date:

**A. Whole House Fan (WHF) Equipment Information**  
Requirements for Whole House Fans are given in Section 150.1(c)12

01	02	03	04	05	06
WHF Manufacturer Name	WHF Model Number	WHF Model Rated Airflow (CFM)	WHF Model Quantity in this Dwelling	WHF Model Total Rated Airflow (CFM)	Vent Location

**B. Whole House Fan Compliance Calculations**

01	Sum of all installed WHF Rated Airflow in Dwelling (CFM)	
02	Sum of Airflow vented to attic	
03	Sum of Airflow vented to outside	
04	Dwelling Conditioned Floor Area (ft <sup>2</sup> )	
05	Minimum WHF Airflow Rate Requirement (CFM)	

**C. Attic Vent Free Area**

01	Required Attic Vent Free Area (ft <sup>2</sup> )	
02	Installed Attic Vent Free Area (ft <sup>2</sup> )	

**D. Compliance Statement**

**E. Additional Requirements**  
*The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.*

01	The installed fan shall be listed in the Home Ventilating Institute (HVI) Certified Products Directory. WHF Model Rated Airflow shall be based on the value listed in HVI Directory.
02	The homeowner shall be provided with user instructions documentation that describes the proper use of the whole house fan necessary to obtain the full energy savings benefit.

Registration Number:                      Registration Date/Time:                      ECC Provider:                      January 2025  
CA Building Energy Efficiency Standards - 2025 Single-Family Compliance



# Staff Recommendation

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- Certify 2025 Energy Conservation Manual
- Adopt finding that 2025 Energy Conservation Manual are exempt from CEQA





# Thank You – 2025 Energy Code Team

## Efficiency Division

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